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(71)Applicant: **KOREA ADVANCED INSTITUTE  
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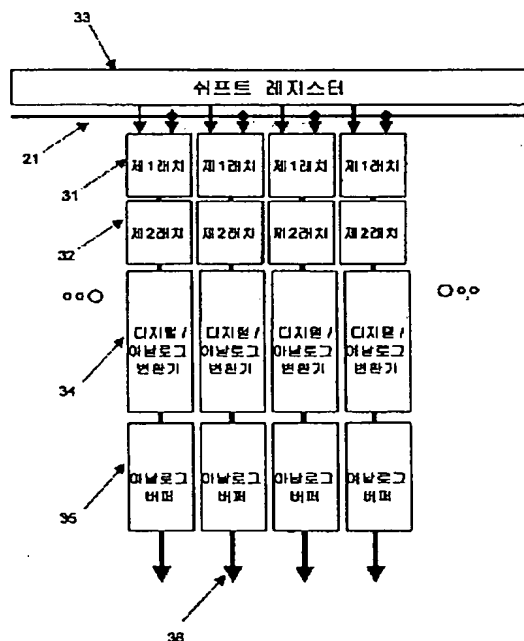
(54) **CIRCUIT OF DIGITAL DRIVING FOR LIQUID  
CRYSTAL DISPLAYER**

(57) Abstract:

PURPOSE: A circuit of digital driving for a liquid crystal displayer is provided to reduce the number of data bus lines and data latches by managing the information about bits of the digital image information in order according to time.

CONSTITUTION: The device includes the first data latch(31), a shift register(33), the second data latch(32) and a digital/analog converter(34). The first data latch(31) stores the data of the digital image information in order through a data bus. The shift register(33) locks the operation of the first data latch(31) to the location of the digital image information input from the outside. The second data latch(32) stores the digital information stored in the first data latch(31) before converting into analog. The digital/analog converter(34) inputs the data of the digital image information stored in the second data latch(32) in order each bit and converts them into the analog signal.

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PN - KR20010017115 A 20010305  
 TI - CIRCUIT OF DIGITAL DRIVING FOR LIQUID CRYSTAL DISPLAYER  
 AB - PURPOSE: A circuit of digital driving for a liquid crystal displayer is provided to reduce the number of data bus lines and data latches by managing the information about bits of the digital image information in order according to time. CONSTITUTION: The device includes the first data latch(31), a shift register(33), the second data latch(32) and a digital/analog converter(34). The first data latch(31) stores the data of the digital image information in order through a data bus. The shift register(33) locks the operation of the first data latch(31) to the location of the digital image information input from the outside. The second data latch(32) stores the digital information stored in the first data latch(31) before converting into analog. The digital/analog converter(34) inputs the data of the digital image information stored in the second data latch(32) in order each bit and converts them into the analog signal.  
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 IN - HAN CHEOL HUI [KR]; JUNG HUN JU [KR]; LEE SEUNG U [KR]  
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AN - 2001-606027 [69]  
 TI - Circuit of digital driving for liquid crystal display  
 AB - NOVELTY :  
 A circuit of digital driving for a liquid crystal display is provided to reduce the number of data bus lines and data latches by managing the information about bits of the digital image information in order according to time.  
 - DETAILED DESCRIPTION :  
 The device includes the first data latch(31), a shift register(33), the second data latch(32) and a digital/analog converter(34). The first data latch(31) stores the data of the digital image information in order through a data bus. The shift register(33) locks the operation of the first data latch(31) to the location of the digital image information input from the outside. The second data latch(32) stores the digital information stored in the first data latch(31) before converting into analog. The digital/analog converter(34) inputs the data of the digital image information stored in the second data latch(32) in order each bit and converts them into the analog signal.  
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